

# **VEHICLE CONTROL APPARATUS**

## **ABSTRACT OF THE DISCLOSURE**

A vehicle control apparatus performs regenerative braking by regeneratively operating first and second motor-generators to apply first and second braking torques in response to a deceleration request. The vehicle control apparatus improves the efficiency in regeneratively generating electric power without greatly disturbing the balance between the. The control apparatus calculates an ideal front-rear wheel distribution ratio for front wheel braking torque and the rear wheel braking torque, and also calculates a distribution allowance for the ideal front-rear wheel distribution ratio. The control apparatus then corrects the ideal front-rear wheel distribution ratio within the distribution allowance such that the electric power generation efficiencies of the first motor-generator connected to the rear wheels and the second motor-generator connected to the front wheels are increased. Based on the corrected front-rear wheel distribution ratio, the control apparatus calculates the torque command values to be sent to the motor-generators.